United States Patent [19]

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[54] **CASE-STAND FOR HAND HELD CALCULATORS, COMPUTERS AND DATA COLLECTORS**

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Primary Examiner—Joseph Falk

[57] **ABSTRACT**

The case-stand performs two functions; as a protective case in the fully closed position, and as a desk stand in the fully open position for hand-held calculators, computers, and data collectors; comprises a case bottom (1) which holds the instrument (17) securely by the insert holding feature (11) and a case top (2) which has a latch (7) feature that allows the case bottom (1) and case top (2) to securely latch together in the fully closed position. The case bottom (1) and case top (2) are hinged together with hinge (3) with two pins (4) which are pressed through case bottom (1) hole (13) into hinge (3) hole (15) in each of case to the proper depth and with two pins (4) which are pressed through case top (2) hole (14) into hinge (3) hole (15) in each side of case to the proper depth. Hinge (3) is located at the top edge of the case and instrument (17) allowing the case top (2) to swing approximately 360 degrees underneath the case bottom (1) interlocking together using the insert locking feature (8) of case top (2) and the cavity locking feature (9) of case bottom (1) to lock these two parts together in the fully open stand position so they cannot move passed each other when the user is keying the instrument (17). Case top (2) has an insert holding feature (10) which helps hold the case top (2) to the instrument (17) in the fully closed position. The bottom case (1) has a latch recess (12) to allow the user to place his finger or thumb under the case top (2) latch (7) feature to push upward to unlatch the case top (2) from the case bottom (1) whereby opening the case for use by placing the case in a desk stand position. The case top (2) has a non-skid foot (16) feature that is made of soft rubber, which serves to hold the desk stand to any smooth desk surface while the user is keying the instrument (17). The case top (2) has a nameplate (5) attached with epoxy (6) in the recess area for the nameplate. The case-stand will vary in size to fit each size hand-held calculator or hand-held computer, or hand-held data collector. These items are referred to as an instrument in my patent application.

8 Claims, 5 Drawing Sheets